A SYSTEM FOR CLASS REFLECTION USING IPADS FOR REAL-TIME BOOKMARKING OF FEEDBACKS INTO SIMULTANEOUSLY RECORDED VIDEOS

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ABSTRACT

The author demonstrates a new system useful for class reflection inspired from "lesson study," a process in which teachers jointly plan, observe, analyze, and refine actual classroom lessons called "research lessons". Our new system offers an environment that one can use an iPad to bookmark observers' feedbacks into simultaneously recorded videos in the environment. If one uses video recording and feedback check sheets in class reflection, one can easily use the system, and makes learning more effective and efficient because of the following two main reasons. 1. Participants instantly reflect on his/her performance by watching scenes supplemented with both aggregate and synchronized individual observer's feedback. 2. Observers can give detailed feedback to the performer based on visual evidences and bookmarked feedback information, which make their learning more clear.

KEYWORDS

Lesson Study, Class Reflection, Class Capture, PF-NOTE

1. DEMONSTRATION

The author's group has developed a system that the system uses video cameras, clickers and a computer to bookmark an audience's clicker feedback (event) into simultaneously recorded video. The system named PF-NOTE has been mainly used for reflective learning, and we have found that this system is effective in various situations for both teacher and learners, such as practice teaching for early career teachers through class reflection (Nakajima 2008, Miura 2014). The system has two main strengths for class reflection. The first is instant playback function of important scenes on a session, which increases time efficiency. The second is sharing feedback information provided by observers, which could make performers learning more effective. In this paper, the author introduces a new system by extending our system that users can use iPads instead of clickers. By using the new system, observers can evaluate performers and share their more detailed feedbacks by touching on check sheets on their iPads' screens, which are commonly used in research lessons. Feedbacks newly offered by the system are feedback viewpoints and detailed comments.

The author will bring whole system and demonstrate class reflection process briefly in two minutes. Participants will experience the technology with using the devices the presenter bring. Several participants will give descriptive feedbacks to the presenter's short presentation. Then it will be shown with the recorded video immediately after the presentation.

REFERENCES

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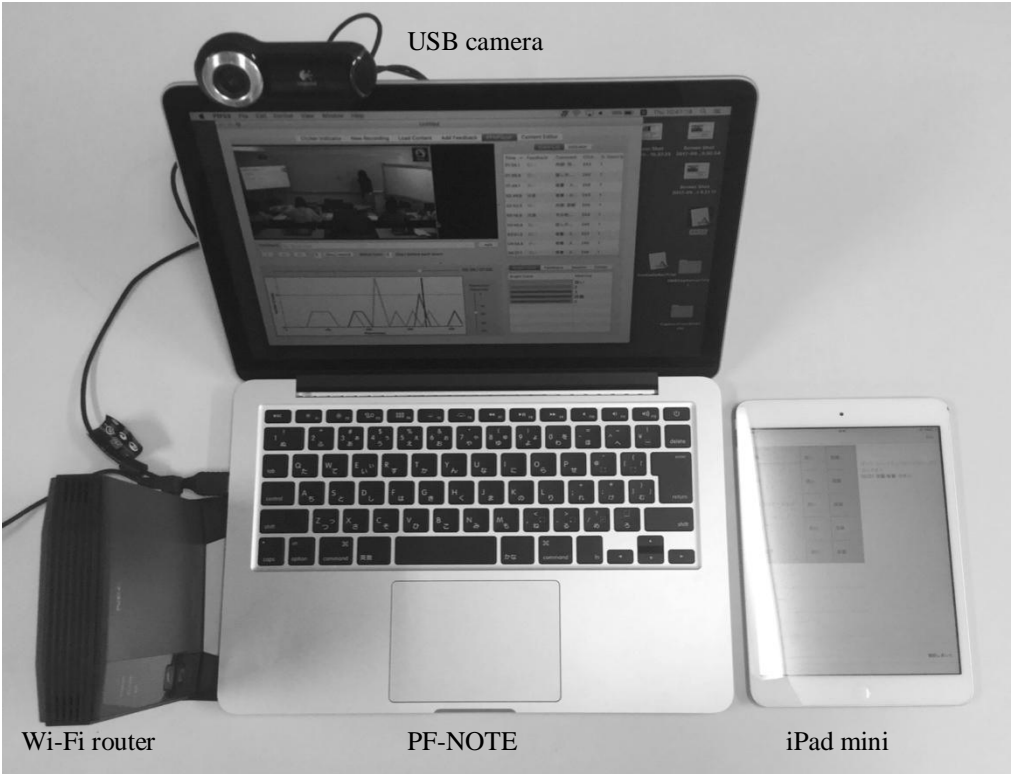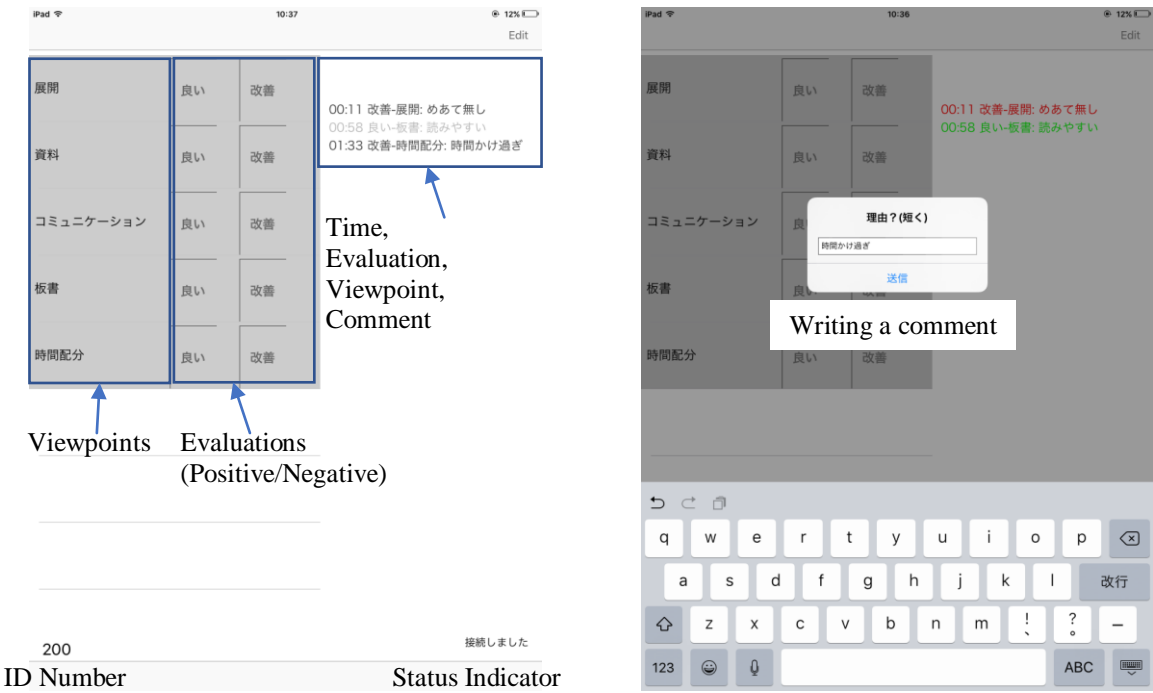
Figure 1. System Overview

Figure 2. Ipad Screen Overview